

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. M081		3. EFFECTIVE DATE See Block 16.c		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (if applicable)
6. ISSUED BY U.S. Department of Energy Office of Civilian Radioactive Waste Management Office of Repository Development 1551 Hillshire Drive Las Vegas, NV 89134-6321 CODE				7. ADMINISTERED BY (if other than Item 6) CODE U.S. Department of Energy OCRWM Office of Repository Development 1551 Hillshire Drive Las Vegas, NV 89134-6321		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  Bechtel SAIC Company, LLC 1180 Town Center Drive Las Vegas, NV 89144  <b>EXECUTED COPY</b>				(%)	9A. AMENDMENT OF SOLICITATION NO.	
					9B. DATED (SEE ITEM 11)	
				X	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC28-01RW12101	
					10B. DATED (SEE ITEM 13) 11/14/00	
CODE		FACILITY CODE				

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment and is received prior to the hour and date specified.

## 12. ACCOUNTING AND APPROPRIATION DATA (If required):

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(%)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	Bilateral - Mutual Agreement of the Parties
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, X is required to sign this document and return 3 copies to the issuing office.

## 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate provisional Fiscal Year (FY) 2006 Work Authorization Directives (WADs) into Contract DE-AC28-01RW12101.

Except as provided herein, all terms and conditions of the document referenced in Item 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)  Ted C. Feigenbaum President and General Manager		16. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  Birdie Hamilton-Ray Contracting Officer	
15B. CONTRACTOR/OFFEROR  Signature on File  (Signature of person authorized to sign)	15C. DATE SIGNED  9/30/05	16B. UNITED STATES OF AMERICA BY: Signature on File (Signature of Contracting Officer)	16C. DATE SIGNED  9/30/05

1. Contract No. DE-AC28-01RW12101 is hereby modified to incorporate WAD YMP0006, Rev. 00 (Attachment 1) in the amount of \$97,967,000, WAD NT00006, Rev. 00 (Attachment 2) in the amount of \$12,988,000, WAD PMI0006, Rev. 00 (Attachment 3) in the amount of \$6,291,000, and WAD QA00006, Rev. 00 (Attachment 4) in the amount of \$4,250,000 as follows:

2. Contract Line Items (October 1, 2005 through March 31, 2006):

Summary of Direct Costs

a. Yucca Mountain (YMP0006 Rev. 00)	\$97,967,000
b. National Transportation and Integration (NT00006, Rev. 00)	\$12,988,000
c. Program Management & Integration (PMI0006, Rev. 00)	\$6,291,000
d. Quality Assurance (QA00006, Rev. 00)	<u>\$4,250,000</u>
Total FY 2006 WAD	\$121,496,000

3. As a result of this modification, the amount of funds obligated under this contract remains the same. In accordance with Clause B.2, OBLIGATION OF FUNDS, the total funds obligated under the contract are \$1,292,261,260.49.
4. Except as provided herein, all terms and conditions of the document referenced in Block 10A of the Standard Form 30, as heretofore changed, remains unchanged and in full force and effect.

U. S. DEPARTMENT OF ENERGY  
WORK AUTHORIZATION DIRECTIVE  
To  
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the  
U.S. DOE OCRWM

1. PROJECT TITLE: YUCCA MOUNTAIN PROJECT
2. WAD NO: YMP0006 Provisional
3. REVISION: 00
4. RESOURCE REQUIREMENT:
5. CONTRACT LINE ITEM #:
6. PERFORMANCE PERIOD: October 1, 2005 to March 31, 2006

## ESTIMATED BASELINE COSTS (\$ in k)

	FY 2006 Workslope Rev 00	Total Cost
<b>TOTAL COST</b>	97,967 *	97,967

\* Does not include fee

## 7. SUMMARY OF WORK AUTHORIZED:

The work scope includes licensing and design of a monitored geologic repository to receive and emplace Spent Nuclear Fuel and High-Level Radioactive Waste. Major activities are identified in the WBS: Project Support (1.5.01), preparation of License Application (1.5.02), Safety Analyses and Assessment (1.5.03), Initial Infrastructure Readiness (1.5.05), Balance of Plant Infrastructure (1.5.06), Subsurface Repository (1.5.12), Waste Package (1.5.13), Fuel Handling (1.5.14), Canister Handling (1.5.15), Dry Transfer - 1 (1.5.16), and Dry Transfer - 2 (1.5.17). The work authorized in this initial revision is the FY06 portion of the PED Baseline.

## 8. RESPONSIBLE DOE OFFICIAL:

Signature on File

Contracting Officer's Representative

9/30/05

Date

## 9. DOE WORK AUTHORIZATION OFFICIAL:

Signature on File

Name &amp; RW Code

Contracting Officer

9/30/05

Date

## 10. M&amp;O GENERAL MANAGER:

Signature on File

Ted C. Feigenbaum

9/30/05

Date



**WAD No: YMP0006 Provisional****Revision: 00****Title: Yucca Mountain Project****A. SCOPE OF WORK**

The Contractor shall perform the work scope for the WBS areas listed below as specified in the Multi-Year Planning System (MYPS).

Bechtel SAIC Company (BSC) shall perform all work in accordance with the QA program requirements.

Major areas under this WAD are:

<b><u>WBS Title</u></b>	<b><u>WBS Number</u></b>
Project Support	1.5.01
License	1.5.02
Safety Analysis And Assessment	1.5.03
Initial Infrastructure Readiness	1.5.05
Balance of Plant Infrastructure	1.5.06
Subsurface Repository	1.5.12
Waste Package	1.5.13
Fuel Handling	1.5.14
Canister Handling	1.5.15
Dry Transfer – 1	1.5.16
Dry Transfer – 2	1.5.17

**B. DELIVERABLES**

The deliverables, as identified in the Multi-Year Planning System (MYPS) will be provided by BSC.

U. S. DEPARTMENT OF ENERGY  
WORK AUTHORIZATION DIRECTIVE  
To  
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the  
U.S. DOE OCRWM

1. PROJECT TITLE: TRANSPORTATION
2. WAD NO: NT00006 Provisional
3. REVISION: 00
4. RESOURCE REQUIREMENT:
5. CONTRACT LINE ITEM #:
6. PERFORMANCE PERIOD: October 1, 2005 to March 31, 2006

## ESTIMATED BASELINE COSTS (\$ in k)

	FY 2006 Workscope Rev 00	Total Cost
<b>TOTAL COST</b>	12,988 *	12,988

\* Does not include fee

## 7. Summary of work authorized:

The WAD includes both the National Transportation Project and the Nevada Rail Construction Project. The National Transportation Project includes transportation activities necessary to accomplish the safe and efficient removal of Spent Nuclear Fuel and High Level Waste from their present storage locations to the Yucca Mountain repository. The Nevada Rail Construction Project includes the development of a Nevada rail line from the National rail system to the Yucca Mountain Repository, the conceptual design, and support to the development of the Environmental Impact Statement.

## 8. RESPONSIBLE DOE OFFICIAL:

Signature on File

Contracting Officer's Representative

Date

9/29/05

## 9. DOE WORK AUTHORIZATION OFFICIAL:

Signature on File

Contracting Officer

Date

9/30/05

## 10. M&amp;O GENERAL MANAGER:

Signature on File

Ted C. Fegenbaum

Date

9/30/05

WAD No: NT00006 Provisional

Revision: 00

Title: Transportation

A. SCOPE OF WORK

The Contractor shall perform the work scope for the WBS areas listed below as specified in Multi-Year Planning System (MYPs).

Bechtel SAIC Company (BSC) shall perform all work in accordance with QA program requirements.

Major areas under this WAD are:

<u>WBS Title</u>	<u>WBS Number</u>
Transportation	4.0

U. S. DEPARTMENT OF ENERGY  
WORK AUTHORIZATION DIRECTIVE  
To  
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the  
U.S. DOE OCRWM

- |                          |                                    |                          |                                   |
|--------------------------|------------------------------------|--------------------------|-----------------------------------|
| 1. PROJECT TITLE:        | PROGRAM MANAGEMENT AND INTEGRATION |                          |                                   |
| 2. WAD NO:               | PMI0006 Provisional                | 5. CONTRACT LINE ITEM #: |                                   |
| 3. REVISION:             | 00                                 | 6. PERFORMANCE PERIOD:   | October 1, 2005 to March 31, 2006 |
| 4. RESOURCE REQUIREMENT: |                                    |                          |                                   |

## ESTIMATED BASELINE COSTS (\$ in k)

	FY 2006 Workscope Rev 00	Total Cost
<b>TOTAL COST</b>	6,291 *	6,291

\* Does not include fee

## 7. SUMMARY OF WORK AUTHORIZED:

The Program Management and Integration work scope includes: support in Waste Acceptance activities; technical and regulatory support and coordination for interactions with the NRC; technical, regulatory and policy support for Program-level coordination and integration activities related to development of a License Application; time-sensitive technical products and analyses requested by the OCRWM Director; support for off-site planning workshops and strategic, multi-year, and contingency planning; technical support to program performance management including budget planning and annual work plan development, maintain the strategic system Level-0 and Level-1 cost and schedule baselines and WBS, administer the OCRWM Home Page; and provide information management and technology support. It also includes support for the Office of Science & Technology and International.

## 8. RESPONSIBLE DOE OFFICIAL:

Signature on File

Contracting Officer's Representative

9/29/05  
Date

## 9. DOE WORK AUTHORIZATION OFFICIAL:

Signature on File

Contracting Officer

9/30/05  
Date

## 10. M&amp;O GENERAL MANAGER:

Signature on File

Ted C. Feigenbaum

9/30/05  
Date

WAD No: PMI0006 Provisional

Revision: 00

Title: Program Management and Integration

**A. SCOPE OF WORK**

The Contractor shall perform the work scope for the WBS areas listed below as specified in the Multi-Year Planning System (MYPs).

Bechtel SAIC Company (BSC) shall perform all work in accordance with QA program requirements.

Major areas under this WAD are:

<u>WBS Title</u>	<u>WBS Number</u>
Program Management and Integration	9.0



U. S. DEPARTMENT OF ENERGY  
WORK AUTHORIZATION DIRECTIVE  
To  
BECHTEL SAIC COMPANY, LLC

Management & Operating (M&O) Contractor for the  
U.S. DOE OCRWM

1. PROJECT TITLE: QUALITY ASSURANCE
2. WAD NO: QA00006 Provisional      5. CONTRACT LINE ITEM #:
3. REVISION: 00      6. PERFORMANCE PERIOD: October 1, 2005  
to March 31, 2006
4. RESOURCE REQUIREMENT:

## ESTIMATED BASELINE COSTS (\$ in k)

	FY 2006 Workscope Rev 00	Total Cost
<b>TOTAL COST</b>	4,250 *	4,250

\* Does not include fee

## 7. SUMMARY OF WORK AUTHORIZED:

Provide BSC Quality Engineering, Site Quality, and Quality Verification activities to support the implementation of the DOE/RW-0333P Quality Assurance Requirements and Description (QARD) and DOE/RW-0565 Augmented Quality Assurance Program (AQAP) requirements; as applicable, for BSC and its subcontractors.

8. RESPONSIBLE DOE OFFICIAL:

Signature on File

Contracting Officer's Representative

9/30/05  
Date

9. DOE WORK AUTHORIZATION OFFICIAL:

Signature on File

Contracting Officer

9/30/05  
Date

10. M&amp;O GENERAL MANAGER:

Signature on File

Ted C. Feigenbaum

9/30/05  
Date

WAD No: QA00006 ProvisionalRevision: 00Title: Quality AssuranceA. SCOPE OF WORK

The Contractor shall perform the work scope for the WBS areas listed below as specified in the Multi-Year Planning System (MYPs).

Bechtel SAIC Company (BSC) shall perform the work in accordance with QA program requirements.

Major areas under this WAD are:

	<u>WBS Title</u>	<u>WBS Number</u>
Quality Assurance		8.0